



# MATERIAL SAFETY DATA SHEET

## CINNAMON LEAF OIL

# MSDS

### 1. PRODUCT NAME AND COMPANY IDENTIFICATION

**Product Name:** CINNAMON LEAF OIL  
**Product Use:** Personal Care Formulations  
**Company Name:** Saffire Blue Inc.  
**Company Address:** 1444 Bell Mill Road, Tillsonburg, ON N4G4G9 Canada  
**Date Issued:** 8/13/2008  
**Emergency Telephone Number:** Chemtrec Tel: (800) 262-8200

### 2. COMPOSITION/INGREDIENT INFORMATION

**Ingredients:**  
Cinnamon leaf essential oil extracted by steam distillation 100%  
**Hazardous Components:** Essential oil and derivatives. Major component is Eugenol.  
**CAS #:** 8015-91-6  
**FEMA #:** 2292

### 3. HAZARDS IDENTIFICATION

**Primary Route of Entry:** Skin Eye Inhalation  
Hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

- Inflammation of the eye is characterized by redness, watering, and itching.
- Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.
- Inhalation of vapor may cause respiratory tract irritation. Inhalation of high concentrations of vapor may cause anesthetic effects.
- Ingestion may cause gastrointestinal tract irritation. Symptoms may include nausea, vomiting, diarrhea, burning sensation in mouth, chest, stomach, and rectal area, abdominal cramps, dizziness, double vision. May also affect cardiovascular system and respiration (acute pulmonary edema, respiratory stimulation).

**Note:** This liquid should not be used as a fragrance ingredient at a level over 1% in a compound when skin contact is possible.

### 4. FIRST AID MEASURES

**Eyes:** Remove contact lenses if applicable. Flush with plenty of water or eye wash solution for 15 minutes. Get medical attention.  
**Skin:** Remove contaminated clothing. Wash with soap and flush with plenty of water. Seek medical attention if irritation persists.  
**Ingestion:** Drink water or milk to dilute and contact poison control center or seek medical attention immediately.  
**Inhalation:** Avoid gross inhalation of fumes. Remove to fresh air and seek medical attention if needed.

## 5. FIRE FIGHTING MEASURES

<b>Flash Point (Method Used):</b>	93.3°C Close Cup
<b>Extinguishing Media:</b>	Dry Chemical, Carbon Dioxide, Foam
<b>Special Firefighting Procedures:</b>	Fire fighters should wear positive pressure self-contained breathing apparatus. Cool containers exposed to flame with water spray. Spray extinguishing media directly into base of fire.
<b>Unusual Fire &amp; Explosion Hazards:</b>	None
<b>Hazardous Decomposition Materials:</b>	CO, CO <sub>2</sub> , smoke and unidentified organic compounds may be formed during combustion.

## 6. ACCIDENTAL RELEASE MEASURES (STEPS FOR SPILLS)

<b>Personal Protection:</b>	Avoid ingestion & inhalation of vapors Follow good industrial practice as to housekeeping, personal hygiene and avoidance of prolonged or repeated contact with the skin or eyes. Wear eye protection, gloves and aprons. Ventilate area well.
<b>Methods for Cleaning Up:</b>	Eliminate all sources of ignition Ventilate area Prevent liquid from entering sewers Small spills can be wiped up with paper rags (place in closed metal waste container) Large spills can be absorbed onto non-flammable absorbent. Wash area with soap and water.

## 7. HANDLING AND STORAGE

### Handling

<b>Safe Handling:</b>	Avoid ingestion and inhalation of vapors Follow good industrial practice as to housekeeping, personal hygiene and avoidance of prolonged or repeated contact with the skin or eyes. Wear eye protection, gloves and aprons. Ventilate area well.
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### Storage

<b>Requirements for Storage Areas and Containers:</b>	Store in an area that is cool, dry, and well-ventilated.
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## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

<b>Threshold Limit Value:</b>	Not established
<b>OSHA Permissible Limit:</b>	Not established
<b>Work Practice Controls:</b>	Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material:  (1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored. (2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet. (3) Wash exposed skin promptly to remove accidental splashes or contact with this material.

<b>Respiratory:</b>	Avoid casual breathing of vapors
<b>Ventilation:</b>	Local, mechanical exhaust in recommended
<b>Eye:</b>	OSHA approved safety glasses
<b>Skin:</b>	Wear chemical resistant gloves and clothing to avoid skin contact

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b>	Liquid, Oil
<b>Color:</b>	Pale yellow
<b>Odor:</b>	Characteristic of cinnamon
<b>Vapor Pressure (mm Hg.):</b>	Not available
<b>Boiling Point:</b>	Not available
<b>Melting Point:</b>	N/A
<b>Specific Gravity (H<sub>2</sub>O = 1):</b>	1.034 to 1.050 @ 30°C
<b>Refractive Index:</b>	1.530 to 1.540 @ 30°C
<b>Solubility in Water:</b>	Insoluble
<b>Solubility in Ethanol:</b>	1 part oil is soluble in 1.5 parts 70% (v/v) ethanol at 30°C yielding a clear solution.

#### 10. STABILITY AND REACTIVITY

<b>Stability:</b>	This material is stable under normal conditions.
<b>Incompatibility (Materials to Avoid):</b>	Avoid contact with strong oxidizing agents and avoid hot work and sources of ignition on or near empty containers.
<b>Conditions to Avoid:</b>	Avoid contact with sparks, flame and heat.
<b>Hazardous Decomposition or Byproducts:</b>	CO, CO <sub>2</sub> , smoke and unidentified organic compounds may be formed during combustion.
<b>Hazardous Polymerization:</b>	Will Not Occur

#### 11. TOXICOLOGICAL INFORMATION

**CAUTION:** Liquid may be irritating to eyes, skin, mucous membranes.

<b>Toxicity:</b>	Acute oral toxicity (LD50): 2650 mg/kg [Rat] Acute dermal toxicity (LD50): 5000 mg/kg [Rabbit]
<b>Chronic Effects on Humans:</b>	No information
<b>Other Toxic Effects on Humans:</b>	No information
<b>Listed as a Carcinogen:</b>	No

#### 12. ECOLOGICAL INFORMATION

No information

#### 13. DISPOSAL CONSIDERATIONS

<b>Waste Disposal Methods:</b>	Dispose of according to local, state and federal regulations.
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#### 14. TRANSPORT INFORMATION

<b>DOT Hazard Classification:</b>	Not a DOT controlled material (United States).
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#### 15. REGULATORY INFORMATION

<b>Federal and State Regulations:</b>	TSCA 8(b) inventory: <b>Cinnamon Leaf Oil</b>
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<b>OSHA:</b>	Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)		
<b>HMIS (U.S.A.):</b>	Health: 2	Fire: 2	Reactivity: 0
<b>DSCL (EEC):</b>	R36/38: Irritating to eyes and skin S2: Keep out of reach of children S46: If swallowed, seek medical advice immediately and show this container or label.		

## 16. ADDITIONAL INFORMATION

This information is provided for documentation purposes only.

The complete range of conditions or methods of use are beyond our control therefore we do not assume any responsibility and expressly disclaim any liability for any use of this product. Information contained herein is believed to be true and accurate however, all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. Compliance with all applicable federal, state, and local laws and local regulations remains the responsibility of the user.

This safety sheet cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to your employees or customers.